ILLEGIB
Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

Next 2 Page(s) In Document Exempt

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

PHOTOGRAPHIC INTERPRETATION REPORT

TABULATION AND SUMMARY OF DEPLOYED SA-3 SAM LAUNCH SITES IDENTIFIED IN THE USSR

25X1D [redacted]

NPIC/R-207/63
September 1963

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

Declassification review by NIMA/DoD

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

INTRODUCTION

25X1D

Since the publication of Tabulation and Summary of Deployed SA-3 SAM Launch Sites Identified in the USSR [redacted] 1/ 21 additional SA-3 SAM sites have been identified. This report presents an analysis of these newly identified sites. In addition, the orientation of these new sites, as well as of the original group, is included. One new configuration is also identified.

Of the 21 new sites, 4 are collocated with SA-2 sites, 15 are singly deployed, and 2 are considered to be for training. One training site is located near Moscow and is not considered operationally deployed 2/ and the other is near Leningrad.

DISCUSSION

Figure 1 shows the areas of SA-3 deployment in the USSR and provides a key to more detailed locator maps. No new sites have been identified in the far eastern USSR (Figure 11).

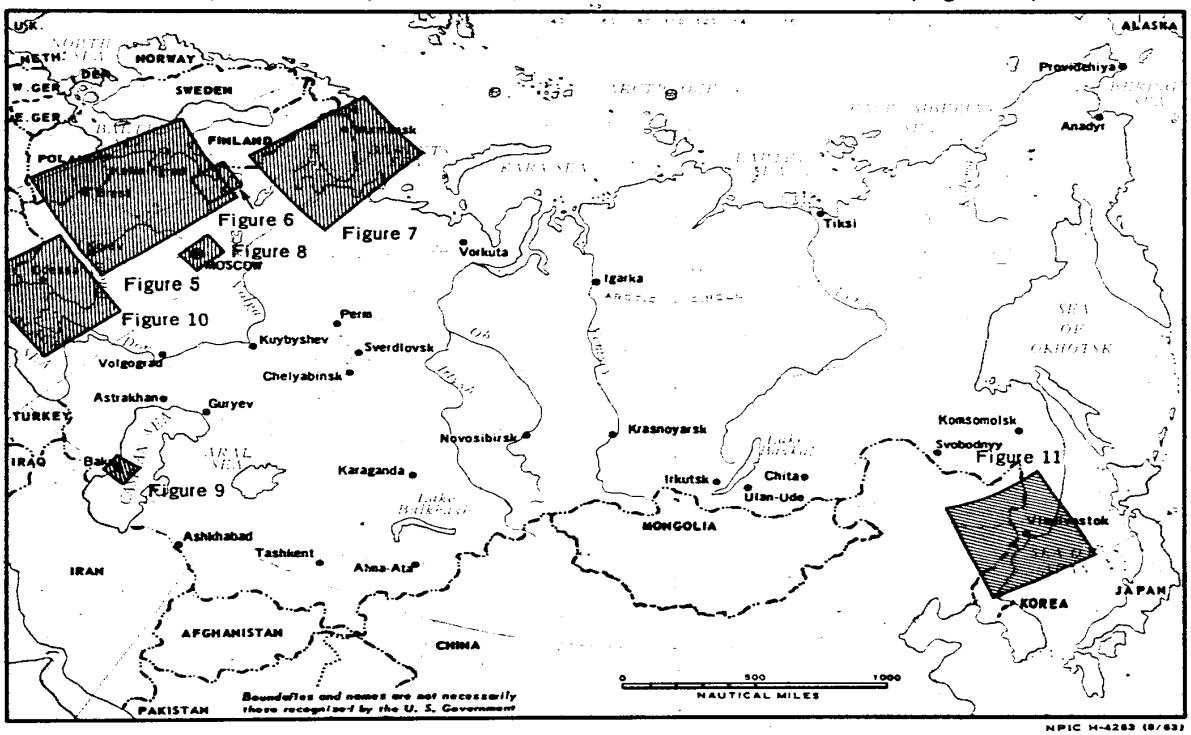


FIGURE 1. AREAS OF DEPLOYMENT OF SA-3 SAM SITES.

NPIC/R-207/63

25X1D

The small scale and poor image quality of available photography preclude a detailed technical analysis of all equipment associated with SA-3 SAM launch sites.

The cumulative total of SA-3 sites is 65. Of these, 36 are collocated with SA-1 or SA-2 sites, 27 are singly deployed, and 2 are training sites. A total of 16 SA-3 sites, or approximately 25 percent, are in the Leningrad area.

Table 1. Orientation of Previously Reported Deployed SA-3 SAM Launch Sites, USSR

Site	Orientation
Chernyakhovsk (Ragnit)	
Chernyakhovsk (Ozersk)	
Kaliningrad (Baltiysk)	
Kaliningrad (Pravdinsk)	
Kaliningrad (Donskoye)	
Kaliningrad (Polessk)	
Klaipeda (A-17A)	
Leningrad (D-28A)	
Leningrad (B-29A)	
Leningrad (D-30A)	
Leningrad (C-31A)	
Leningrad (D-32)	
Moscow (E-28A)	
Moscow (E-29)	
Moscow (E-33A)	310
Moscow (E-34A)	315
Murmansk (B-08)	
Odessa (A-19A)	
Odessa (A-05A)	Undetermined
Olenya (B-01)	Undetermined
Olenya (B-02A)	
Olenya (B-05)	310
Palanga (A-03A)	
Pruzhany (B-16)	
Sevastopol (A-01A)	
Sevastopol (A-27A)	015
Severodvinsk (B-02A)	
Severodvinsk (Prob)	
Shchuchin AFLD (A-27A)	
Sovetsk (B-32A)	
Sovetsk MRBM (A-06)	
Volkovysk (B-19A)	
Volkovysk (A-34A)	290
Vladivostok (A-07)	
Kaliningrad (C-11)	
Baku	190
Lyalichi	
Ussuriysk (B-08)	
Kaliningrad (B-21A)	170
Kaliningrad (B-02)	
Vladivostok (B-26)	
Lida (C-29A)	
Moscow (E-35A)	
Moscow (E-32A)	Undetermined

25X1D

[redacted]

25X1D

25X1D

25X1D

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

25X1D

Table 2. Summary of SA-3 Sites Identified in USSR [redacted]

SA-3 Site	Distance & Direction from Named Town	Geographic Coordinates	BE Number	Distance & Direction to Nearest SA-1 or SA-2 Site	Site Configuration	Orientation	Manner of Deployment	Figure
1. Baku (A-23A)	9.0 nm SW	40-16-12N 40-43-30E	[redacted]	0.1 nm NE (A-23)	F	160	Collocated (Baku A-23)	9
2. Baku (A-16A)	9.0 nm SSE	40-17-55N 49-54-45E		0.1 nm NE (A-16)	F	170	Collocated (Baku A-16)	9
3. Leningrad (D-35)	35.0 nm NNW	60-28-00N 29-57-20E		7.4 nm SE (C-35)	J	[redacted]	Single	6
4. Leningrad (C-36A)	28.5 nm N	60-23-00N 30-09-30E		1.5 nm SE (C-35)	J		Single	6
5. Leningrad (C-01A)	28.0 nm N	60-24-20N 30-24-00E		7.4 nm SE (C-01)	J	15	Single	6
6. Leningrad (D-24)	31.5 nm SW	59-37-30N 29-28-00E		5.8 nm ESE (C-23)	J	[redacted]	Single	6
7. Pavilosta (Liepaja C-02A)	0.7 nm SW	56-53-10N 21-10-00E		0.1 nm E (C-02)	u/c		Collocated (Pavilosta)	5
8. Liepaja	2.4 nm N	56-33-30N 21-00-05E		2.0 nm NNE	G		Single	5
9. Liepaja	3.7 nm S	56-27-30N 21-00-20E		8.0 nm NNE	F		Single	5
10. Pruzhany MRBM Complex SAM Site B-10A	14.0 nm E	52-31-20N 24-31-00E		1.9 nm SSE (B-10)	F	275	Single (poss assoc with Pruzhany B-10)	5
11. Leningrad (C-21A)	27.5 nm SSW	59-30-30N 29-56-00E		0.1 nm SE (C-21)	J	[redacted]	Collocated (C-21)	6
12. Leningrad (D-25)	34.0 nm SW	59-42-20N 29-17-10E		8.2 nm NE (C-25)	J		Single (adjacent to SW prob AMM Complex)	6
13. Leningrad (C-24B)	28.0 nm WSW	59-49-30N 29-23-30E		4.6 nm NNE (C-27)	J		Single	6
14. Leningrad (C-08)	23.0 nm ENE	59-59-40N 31-04-30E		1.9 nm NW (C-08)	J		Single	6
15. Sovetsk (B-30)	12.0 nm NW	55-09-55N 21-33-50E		8.1 nm NNW (B-30)	G	320	Single	5
16. Moscow (SA-3 Trng Fac)	44.0 nm ENE	56-00-15N 36-26-05E		3.1 nm NW (E-29)	C		Training	8
17. Leningrad (C-06A)	23.0 nm ENE	60-07-30N 30-59-40E		0.2 nm SE (C-06)	J	65	Training (at SAM Trng Fac C-06)	6
18. Leningrad	35.0 nm NW	60-27-20N 29-44-00E		8.3 nm SSE (C-33A)	J	315	Single (in secure area of NW prob AMM Complex)	6
19. Plesetsk (A-32)	19.0 nm NNE	63-01-10N 40-22-00E		7.0 nm SW	F	[redacted]	Single	7
20. Leningrad	27.5 nm SW	59-34-50N 29-42-40E		2.6 nm NW (C-23)	J	220	Single	6
21. Sevastopol	5.0 nm SW	44-32-40N 33-26-00E		2.7 nm N (A-27)	F	[redacted]	Single	10

25X1D

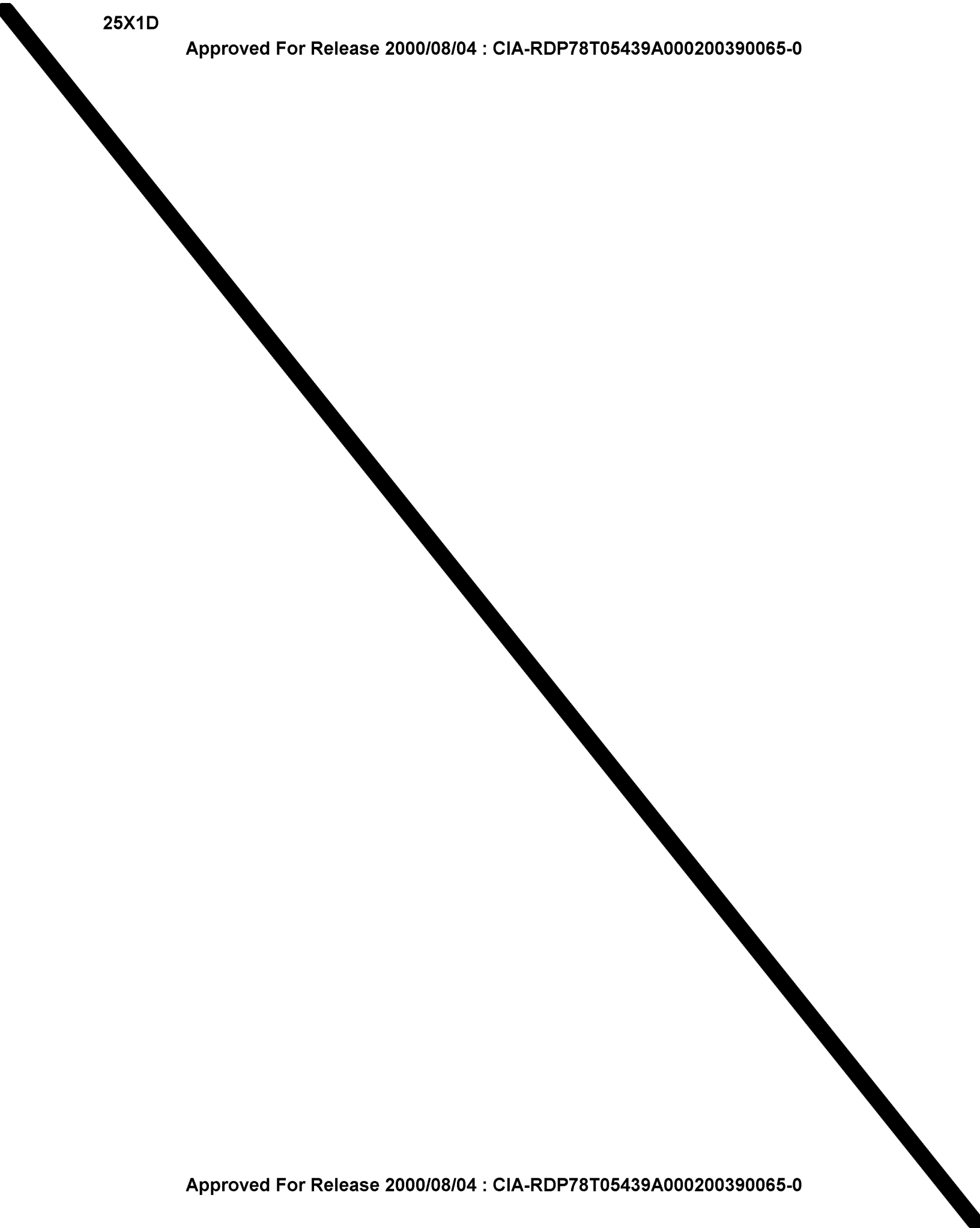
25X1D

25X1D

25X1D

25X1D

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0



Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0
TOP SECRET CHESS RUFF

difficulty of obtaining precise measurements based on the limitations of the KEYHOLE photography available. Orientation of J sites is based on an axis from the probable hold area through the probable guidance area.

LENINGRAD

In the western USSR, a total of 16 SA-3 sites have been identified in the Leningrad SAM defense area (Figures 5 and 6). Of these, the first four observed are collocated with SA-2 launch sites, and one is considered to be a training site at the Leningrad SAM Training Facility C-06 (Table 3).

Leningrad Southwest Probable AMM Complex and Leningrad Northwest Probable AMM Complex each has an associated SA-3 site, probably for defense, but these sites are not considered collocated with the complexes.

25X1B [redacted]

25X1D

[redacted]

25X1B

Sites D-28A, D-30A, C-31A, and D-32 all have an additional connecting road loop beyond the forward launch positions, as shown for the former E configuration.

25X1B

TOP SECRET CHESS RUFF

NPIC/R-207/63

25X1D

25X1D

Table 3. Chronology of SA-3 SAM Site Development around Leningrad

SA-3 Site	Geographic Coordinates	Site Configuration	Orientation	Manner of Deployment	Site Identified	
					Date	Mission
C-31A	60-13-55N 29-34-45E	G	[redacted]	Collocated	[redacted]	
D-28A	59-57-50N 29-17-10E	G	265	Collocated		
B-29A	60-01-20N 29-41-30E	H	275	Collocated		
D-30A	60-10-00N 29-23-10E	G	[redacted]	Collocated		
D-32	60-20-10N 29-37-30E	G		Single		
D-35	60-26-00N 29-57-20E	J		Single		
C-36A	60-23-00N 30-09-30E	J		Single		
C-01A	60-24-20N 30-24-00E	J	15	Single		
D-24	59-37-30N 29-26-00E	J	[redacted]	Single		
C-21A	59-30-30N 29-56-00E	J		Collocated		
D-25	59-42-20N 29-17-10E	J		Single (assoc with SW Prob AMM Complex		
C-24B	59-49-30N 29-23-30E	J		Single		
C-05	59-59-40N 31-04-30E	J		Single		
C-06A	60-07-30N 30-59-40E	J	65	Training (at SAM Trng Facil C-06)		
Designator unassigned	60-27-20N 29-44-00E	J	315	Single (in secure area of NW Prob AMM Complex)		
Designator unassigned	59-34-50N 29-42-40E	J	220	Single		

25X1D

25X1D

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

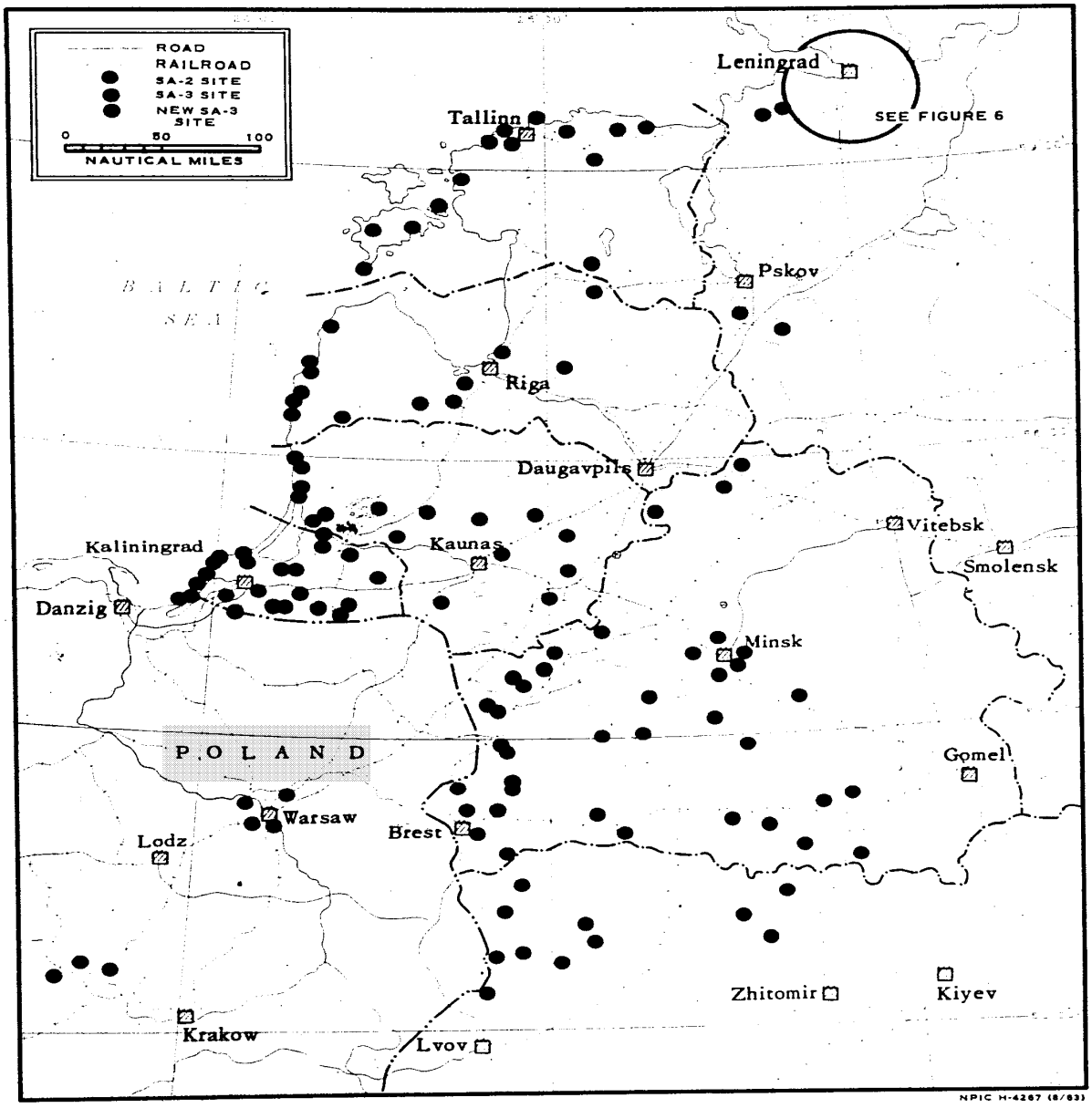


FIGURE 5. LOCATION OF SA-3 SITES IN WESTERN USSR.

NPIC/R-207/63

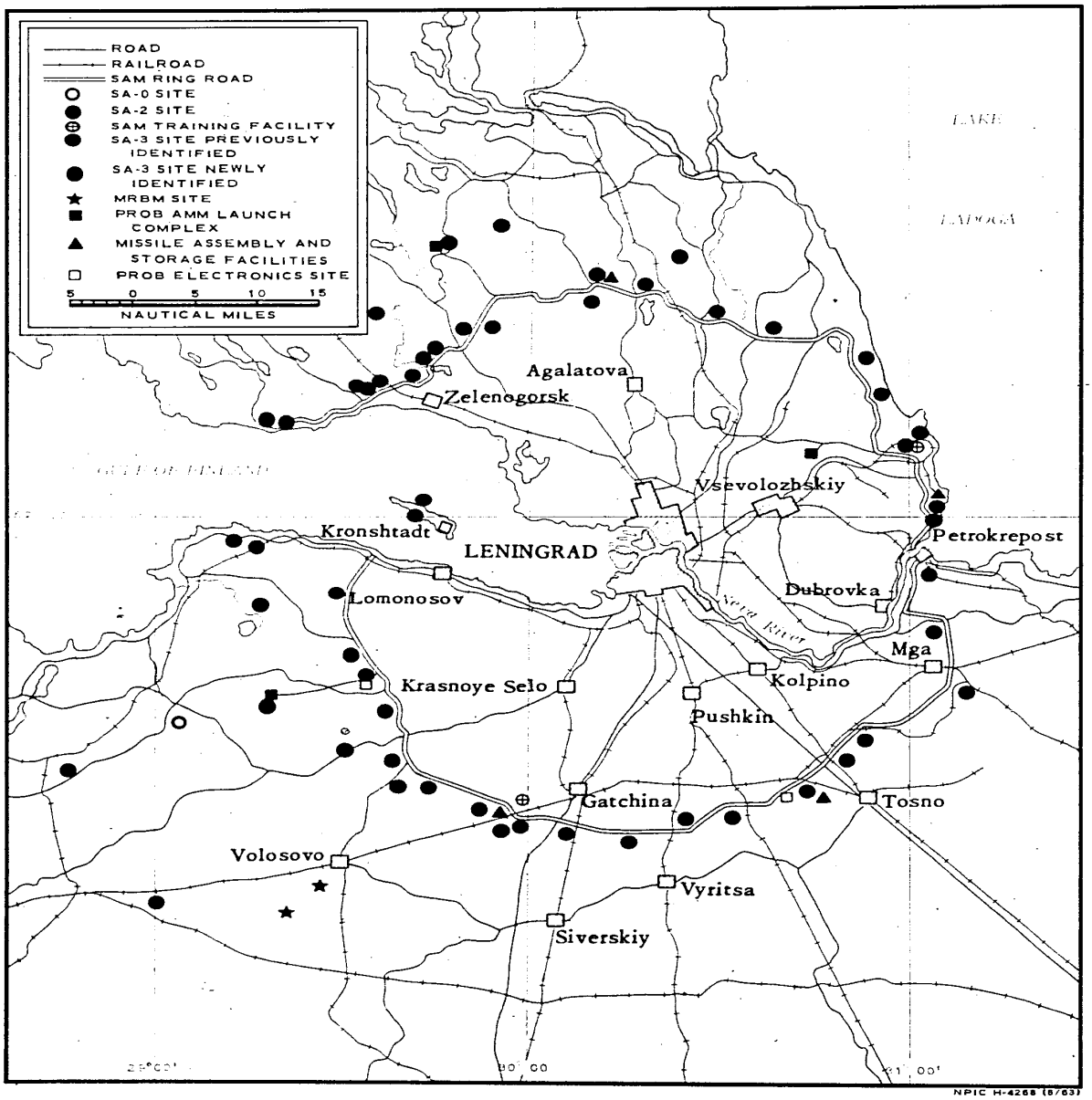


FIGURE 6. LOCATION OF SA-3 SITES NEAR LENINGRAD.

Approved For Release 2000/09/04 : CIA-RDP78T05439A000200290065-0

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

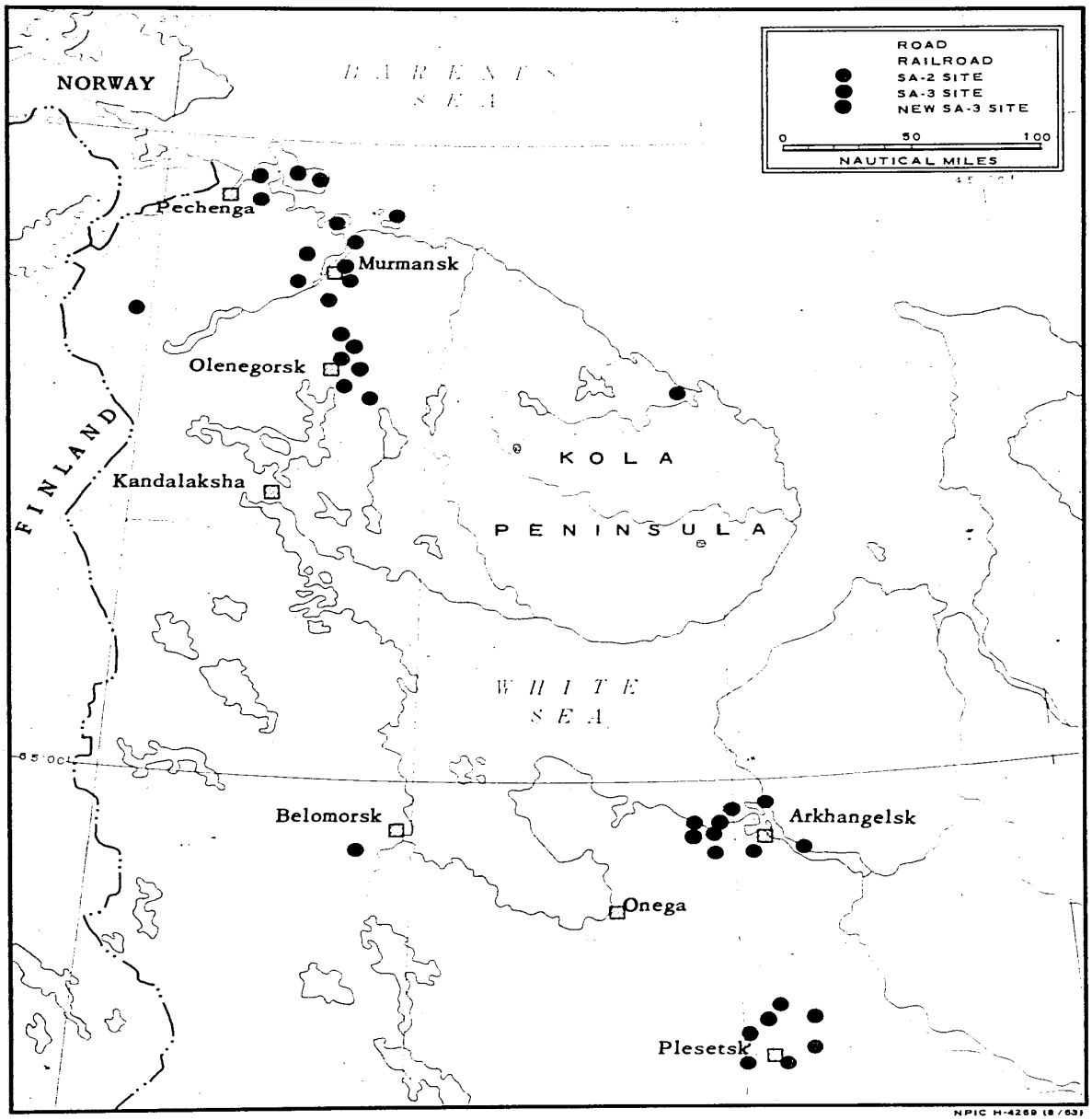


FIGURE 7. LOCATION OF SA-3 SITES IN NORTHWESTERN USSR.

NPIC/R-207/63

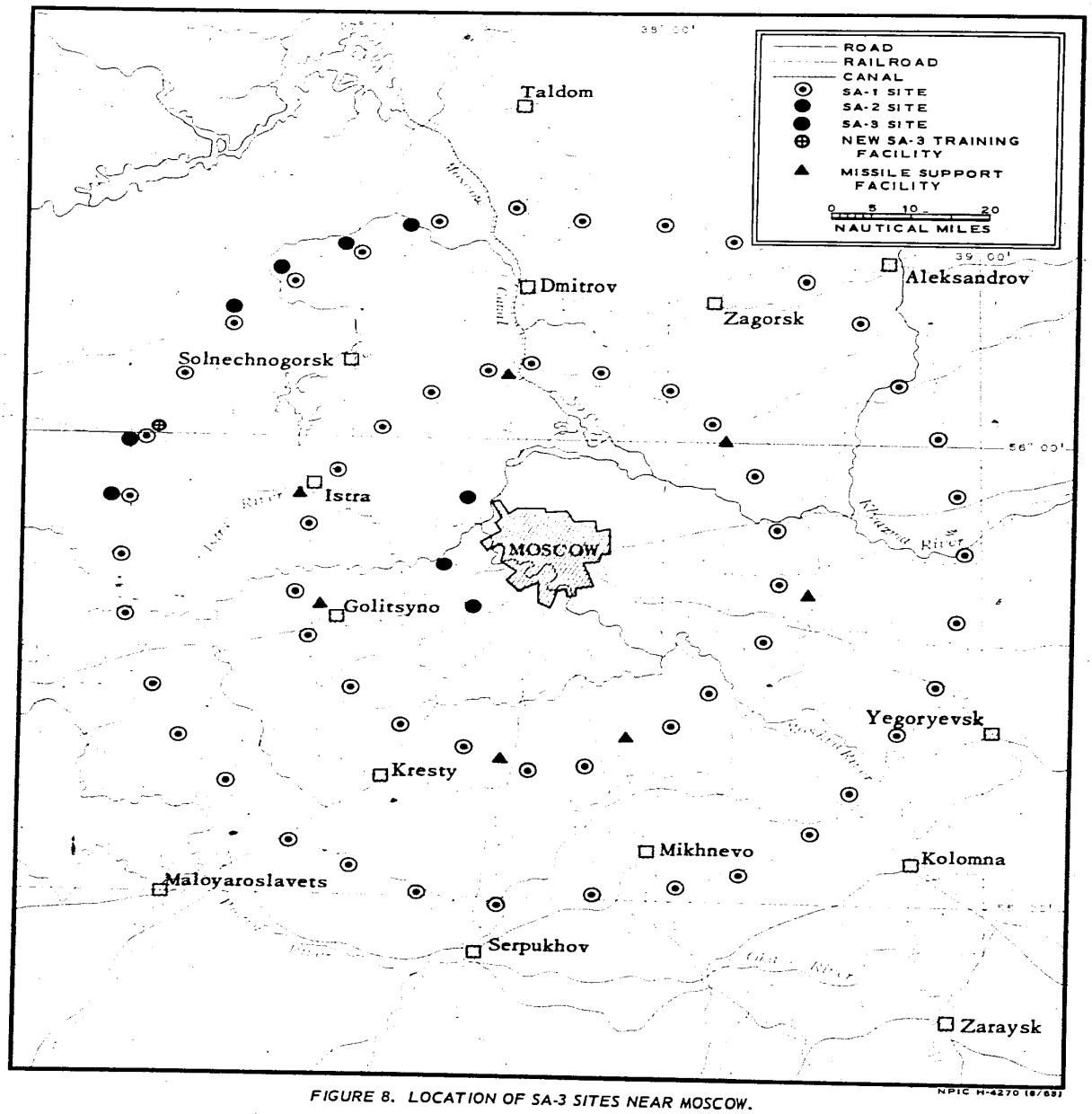


FIGURE 8. LOCATION OF SA-3 SITES NEAR MOSCOW.

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

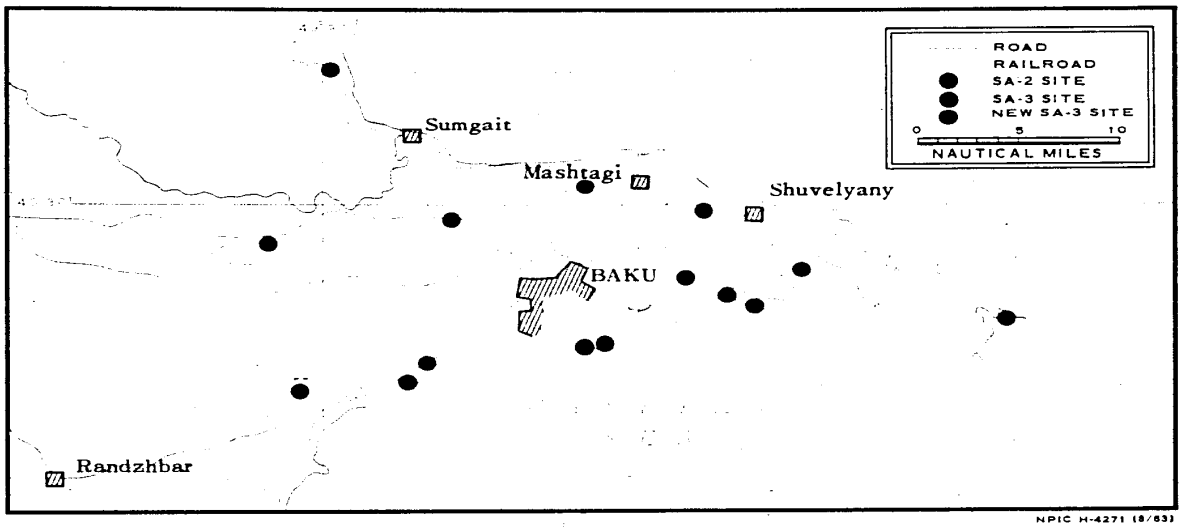


FIGURE 9. LOCATIONS OF SA-3 SITES NEAR BAKU.

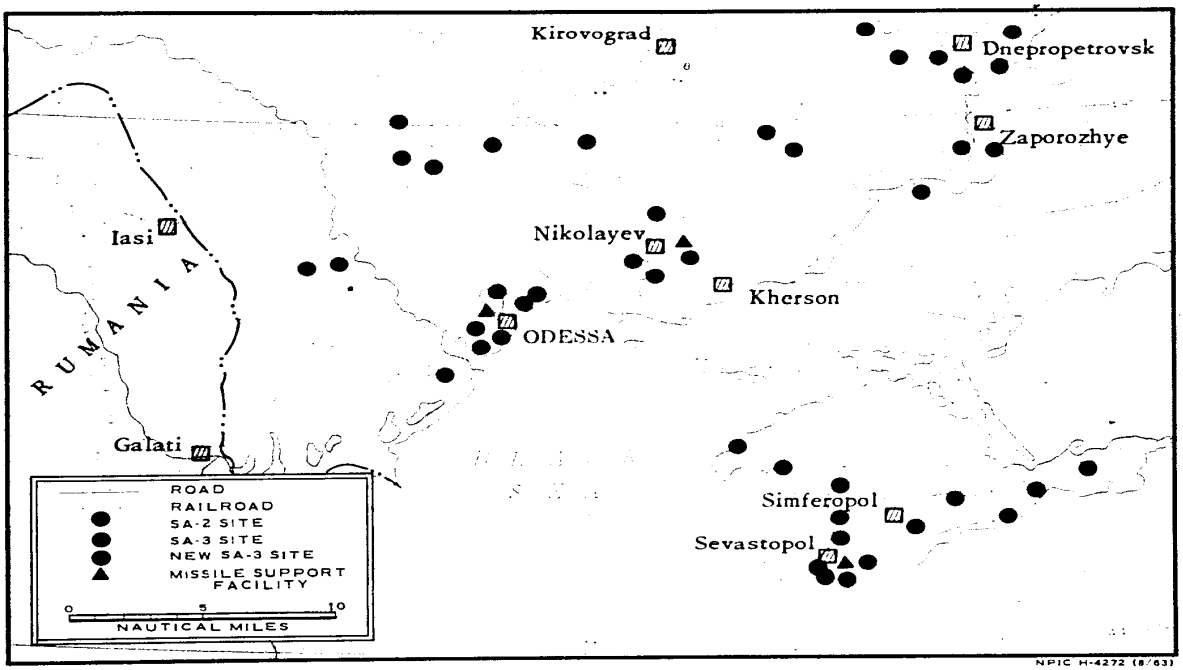


FIGURE 10. LOCATION OF SA-3 SITES ON THE BLACK SEA.

NPIC/R-207/63

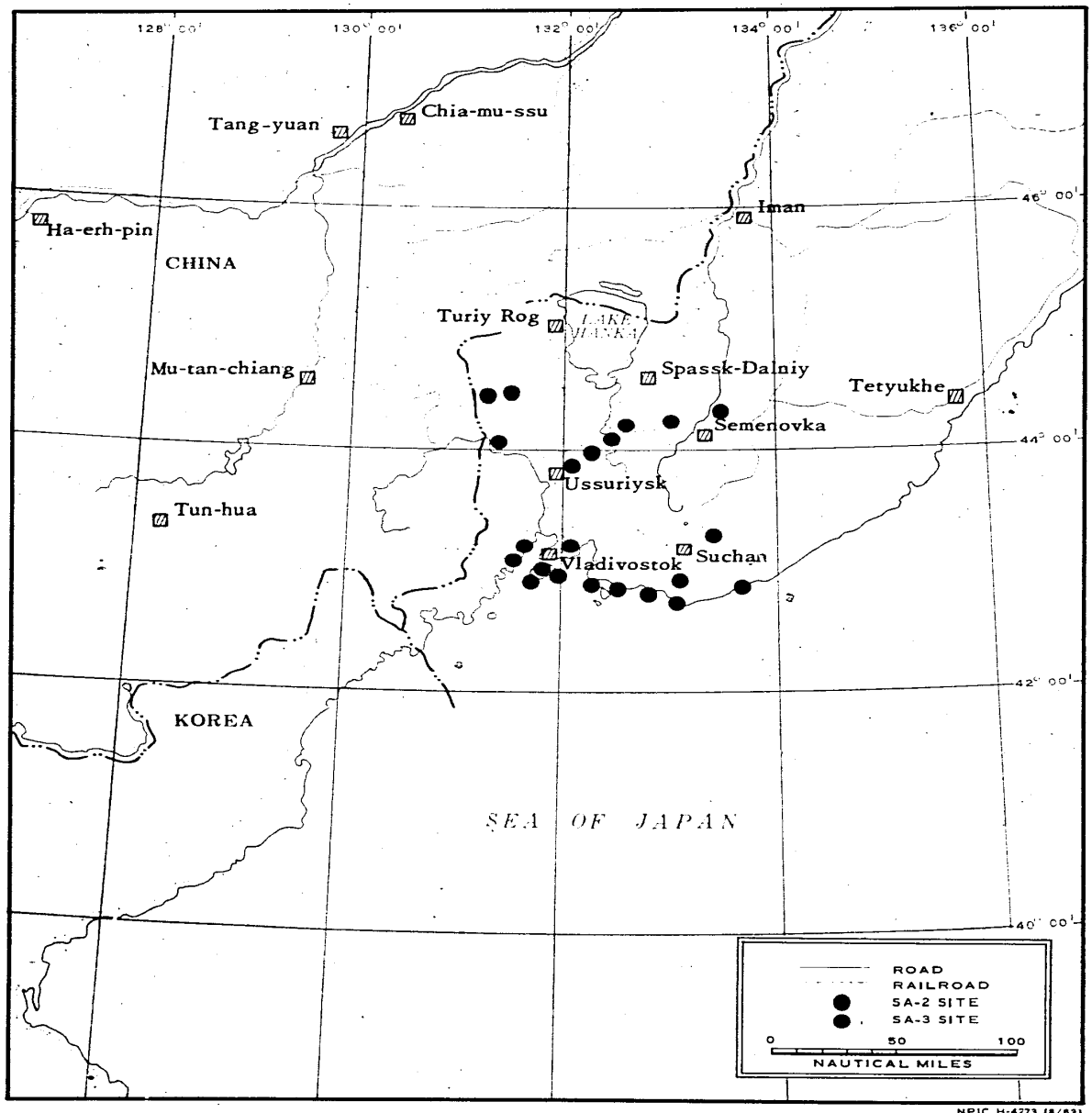


FIGURE 11. LOCATION OF SA-3 SITES IN EASTERN USSR.

Approved For Release 2000/08/24 : CIA-RDP75S00541A000200390065-0

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0

REFERENCES

PHOTOGRAPHY*

25X1D

[redacted]

MAPS OR CHARTS*

1. SAC. US Air Target Chart, Series 200, Sheet 0325-25A, 1st ed, Jun 58, scale 1:200,000 (SECRET)
2. SAC. US Air Target Chart, Series 200, Sheet 0325-25A, 1st ed, Jun 58, scale 1:200,000 (SECRET)
3. ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
4. ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
5. ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
6. ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)
7. ACIC. US Air Target Chart, Series 200, Sheet 0152-20HL, 4th ed, Jun 62, scale 1:200,000 (SECRET)
8. SAC. US Air Target Chart, Series 200, Sheet 0152-25AL, 4th ed, Nov 61, scale 1:200,000 (SECRET)

*Numbers correspond to Table 2.

NPIC/R-207/63

REFERENCES (Continued)

9. SAC. US Air Target Chart, Series 200, Sheet 0152-25AL, 4th ed, Nov 61, scale 1:200,000 (SECRET)
10. SAC. US Air Target Chart, Series 200, Sheet 0168-22HL, 2d ed, Feb 63, scale 1:200,000 (SECRET)
11. ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)
12. ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)
13. ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)
14. SAC. US Air Target Chart, Series 200, Sheet 0153-5AL, 2d ed, Oct 59, scale 1:200,000 (SECRET)
15. SAC. US Air Target Chart, Series 200, Sheet 0168-6HL, 2d ed, Aug 62, scale 1:200,000 (SECRET)
16. SAC. US Air Target Chart, Series 200, Sheet 0154-22A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
17. ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
18. ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
19. SAC. US Air Target Chart, Series 200, Sheet 0102-9AL, 2d ed, Dec 61, scale 1:200,000 (SECRET)
20. ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 2d ed, May 63, scale 1:200,000 (SECRET)
21. SAC. US Air Target Chart, Series 200, Sheet 0250-25AL, 3d ed, Jul 60, scale 1:200,000 (SECRET)

DOCUMENTS

25X1D
25X1D

1. NPIC. NPIC/R-49/63, Tabulation and Summary of Deployed SA-3 SAM Launch Sites Identified in the USSR [redacted] Apr 63 (TOP SECRET CHESS RUFF)
2. NPIC. NPIC/R-110/63, SA-3 SAM Training Facility in the Moscow Area, Jun 63 (TOP SECRET CHESS RUFF)

REQUIREMENT

CIA. C-RR3-80,372

NPIC PROJECT

J-221/63

Approved For Release 2000/08/04 : CIA-RDP78T05439A000200390065-0